

## APPENDIX E

### MAINTENANCE SCHEDULES

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#### **E-1. General**

This appendix contains maintenance schedules for all elements within the CDC play area. These tables will be used to assemble a customized inspection and maintenance manual (chap 2). Each table indicates the minimum acceptable condition for an element within the play area and maintenance tasks which will correct any deficiencies. These tables are to be used as a maintenance task guide for correcting identified hazards. Directions for using these tables are provided (chap 6).

#### **E-2. Elements addressed in the appendix**

Elements addressed in this appendix include: general site elements (table E-1 through E-8); ground cover and plant material (table E-9 through E-13); utilities and drainage (table E-14 through E-17); safety surfacing (table E-18 through E-20); site furnishings (table E-21 through E-24); maintenance practices (table E-25); composite structure play equipment (table E-26 through E-42); play activity areas (table E-43 through E-55); and toys and loose parts (table E-56 and E-57).

Table E-1: Boulder - Maintenance schedule.

**1. BOULDER**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>BASELINE:</b>			
The boulder will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The boulder will be located outside of play equipment use zones (at least 2400 mm (96 inches) from play equipment).		Remove boulders located in play equipment use zones.	
2. The boulder will be firmly set in the soil to at least 1/3 of its depth and will not rock or rotate in any direction.		Reset improperly secured boulders.	
3. The boulder surface will be free of loose or slippery material, such as crumbling rock, sand, moss, or algae.		Sweep or remove loose or slippery material from the boulder surface.	
4. The boulder will be free of sharp, jagged or protruding edges.		Smooth and round the boulder or remove and replace the boulder.	
<b>ANNUAL:</b>			
1. The boulder will be located outside of play equipment use zones (at least 2400 mm (96 inches) from play equipment).		Remove boulders located in play equipment use zones.	
2. The boulder will be firmly set in the soil to at least 1/3 of its depth and will not rock or rotate in any direction.		Reset improperly secured boulders.	
3. The boulder surface will be free of loose or slippery material, such as crumbling rock, sand, moss, or algae.		Sweep or remove loose or slippery material from the boulder surface.	
4. The boulder will be free of ice or snow when children are brought outside to play.		Close the boulder and do not allow children to climb on it when ice or snow is present.	
5. The boulder will be free of sharp, jagged or protruding edges.		Smooth and round the boulder or remove and replace the boulder.	

Table E-2: Fencing and Gates - Maintenance schedule.

## 2. FENCING AND GATES

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Fencing and gates will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Fence and gate materials will be free from loose, missing, or broken parts.		Repair or replace loose, missing, or broken components.	
2. Fence and gate materials will be free from vandalism.		Repair or replace vandalized components.	
3. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
4. Metal materials will be free from rough metal, sharp wire, and sharp edges or corners.		Refinish or replace parts. Eliminate sharp wires, edges or corners.	
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
6. Fence fabric will be intact and all tension wires and connections will be secure.		Tighten or repair fence fabric or tension wires.	
7. Gates will be well-lubricated with locking components in good working order.		Lubricate hinges, locks, and latches.	
8. Fences and gates will be free from openings greater than 75 mm (3 inches) between the structure and the ground surface.		Fill gaps to eliminate openings under fences or gates greater than 75 mm (3 inches).	

Table E-2: Fencing and Gates - Maintenance schedule (Writ.).

## 2. FENCING AND GATES - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. Fence and gate materials will be free from loose, missing or broken parts.	Repair or replace loose, missing, or broken components.
2. Fence and gate materials will be free from vandalism.	Repair or replace vandalized components.
3. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
4. Metal materials will be free from rough metal, sharp wire, and sharp edges or corners.	Refinish or replace parts. Eliminate sharp wires, edges or corners.
5. All hardware will be present, securely attached, and without significant wear . (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
6. Fence fabric will be intact and all tension wires and connections will be secure.	Tighten or repair fence fabric or tension wires.
7. Gates will be well-lubricated, with locking components in good working order.	Lubricate hinges, locks, and latches.
8. Fences and gates will be free from openings greater than 75 mm (3 inches) between the structure and the ground surface.	Fill gaps to eliminate openings under fences or gates greater than 75 mm (3 inches).
9. Fences and gates will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
10. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.

Table E-3: Pathways - Hard Surfaced - Maintenance schedule.

## 3. PATHWAYS - HARD SURFACED

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
Hard surfaced pathways will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The pathways will be free of abrupt changes in level greater than 6 mm (1/4-inch).		Repair changes in level greater than 6 mm (1/4-inch).	
2. The pathways will be free of ruts at the side of path.		Fill in ruts that may form at edges of pathways from pedestrian or wheeled toy use.	
3. The pathways will be free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less, such as branches.		Remove branches and other objects protruding into the pathway overhead at a height of 2000 mm (80 inches) or less.	
<b>ANNUAL:</b>			
1. Pathways will be free of toys and other foreign objects.		Remove toys and other objects.	
2. The pathways will be free of debris and slippery materials, such as sand, ice, algae, moss, etc.		Sweep loose debris, such as sand, and gravel, from pavement; remove snow, ice, or other slippery material.	
3. The pathways will be free of abrupt changes in level greater than 6 mm (1/4-inch).		Repair changes in level greater than 6 mm (1/4-inch).	
4. The pathways will be free of ruts at the side of path.		Fill in ruts that may form at edges of pathways from pedestrian or wheeled toy use.	
5. The pathways will be free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less. such as branches.		Remove branches and other objects protruding into the pathway overhead at a height of 2000 mm (80 inches) or less.	
6. The pathways will be smooth and without rough surfaces or cracks.		Replace hard surfaced areas that have extensive cracks or rough surfaces.	
7. Pavement markings will be bright, legible, and free of chipped, peeling, or worn paint.		Repaint paving surface, striping, or coating with paint free from lead (0.06% maximum lead by dry weight), cadmium or other toxic material.	
8. All paints will be free of lead (0.060/0 maximum lead by dry weight) cadmium, or other toxic material .		Refinish and repaint with paint free from lead (0.06% maximum lead by dry weight), cadmium, or other toxic materials.	

Table E-4: Pathways - Wood Chip - Maintenance schedule.

## 4. PATHWAYS - WOOD CHIP

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Wood chip pathways will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Pathways will be free of debris, such as stones, branches, and loose parts.		Remove debris and toys from wood chips.	
2. Wood chips will be distributed evenly along the pathway to form a uniform surface.		Redistribute wood chips to an even depth with a steel tine rake.	
3. Pathways will be free from mold, mushrooms and other fungi.		Remove mold, mushrooms and other fungi.	
4. Pathways will be free of tree roots.		Remove tree roots that may cause a tripping hazard.	
5. Pathways will be free of pot holes.		Fill pot holes.	
6. Pathways will be free from puddles and poor drainage.		Repair areas to eliminate puddles and poor drainage.	
7. Pathways will be free from insect and rodent infestation.		Remove insect infested areas and rodent nests.	
8. The depth of wood chips will be from 50 to 150 mm (2 to 6 inches).		Replenish wood chips to maintain a 50 to 150 mm (2 to 6 inches) depth.	
9. Pathways will be free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less, such as branches.		Remove branches and other objects protruding into the pathway overhead at a height of 2000 mm (80 inches) or less.	
ANNUAL:			
1. Pathways will be free of debris, such as stones, branches, and loose parts.		Remove debris and toys from wood chips.	
2. Wood chips will be distributed evenly along the pathway to form a uniform surface.		Redistribute wood chips to an even depth with a steel tine rake.	
3. Pathways will be free from mold, mushrooms and other fungi.		Remove mold, mushrooms and other fungi.	
4. Pathways will be free of tree roots.		Remove tree roots that may cause a tripping hazard.	
5. Pathways will be free of pot holes.		Fill potholes.	
6. Pathways will be free from puddles and poor drainage.		Repair areas to eliminate puddles and poor drainage.	
7. Pathways will be free from insect and rodent infestation.		Remove insect infested areas and rodent nests.	
8. The depth of wood chips will be from 50 to 150 mm (2 to 6 inches).		Replenish wood chips to maintain a 50 to 150 mm (2 to 6 inches).	
9. Pathways will be free of objects which protrude into the pathway overhead at a height of 2000 mm (80 inches) or less, such as branches.		Remove branches and other objects protruding into the pathway overhead at a height of 2000 mm (80 inches) or less.	
10. Wood chips will be replenished with material which is free of debris or foreign matter, such as stones, dirt branches, soil, thorns or leaves.		Replenish wood chips with material which is free of debris or foreign matter, such as stones, dirt, branches, soil, thorns or leaves.	

Table E-5: Planter - Maintenance schedule.

## 5. PLANTER

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
The planter will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1.	The planter will be free from loose, missing, or broken parts.	Repair or replace loose, missing, or broken components.	
2.	The planter will be free from vandalism.	Repair or replace vandalized components.	
3.	Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.	
4.	Concrete components will be free from extensive cracking, and sharp edges or corners.	Repair or replace concrete components as needed. Eliminate sharp edges or corners.	
5.	Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.	
6.	All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.	
7.	The planter will be free from chipped, peeling or worn paint.	Repaint the planters with lead free paint (0.06% maximum lead by dry weight).	

Table E-5: Planter - Maintenance schedule (cont.).

## 5. PLANTER - continued

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>ANNUAL:</b>			
1. The planter will be free from loose, missing, or broken parts.		Repair or replace loose, missing, or broken components.	
2. The planter will be free from vandalism.		Repair or replace vandalized components.	
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
4. Concrete components will be free from extensive cracking, and sharp edges or corners.		Repair or replace concrete components as needed. Eliminate sharp edges or corners.	
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.	
7. The planter will be free from chipped, peeling or worn paint.		Repaint the planters with lead free paint (0.06% maximum lead by dry weight).	
8. The planter will be free from head entrapments. Openings must meet all entrapment inspection criteria (Chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
9. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	
10. Pressure treated wood materials will be coated with a non-toxic sealant every two years.		Coat pressure treated wood materials with a non-toxic sealant every two years.	
11. All paints will be free from lead (0.06% maximum lead by dry weight).		Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).	



Table E-6: Shade Structure - Maintenance schedule.

**6. SHADE STRUCTURE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>		
The shade structure will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>		
1. The shade structure will be free from loose, missing, or broken parts.		Repair or replace loose, missing, or broken components.
2. The shade structure will be free from vandalism.		Repair or replace vandalized components.
3. The roof will be free from leaks.		Repair roof or replace.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.
5. Metal materials will be free from rust, corrosion or bending of members.		Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.
8. The shade structure will be free from chipped, peeling or worn paint.		Repaint the structure with lead free paint (0.06% maximum lead by dry weight).
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.

Table E-6: Shade Structure - Maintenance schedule (cont.).

**6. SHADE STRUCTURE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The shade structure will be free from loose, missing or broken parts.	Repair or replace loose, missing, or broken components.
2. The shade structure will be free from vandalism.	Repair or replace vandalized components.
3. The roof will be free from leaks.	Repair roof or replace.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
5. Metal materials will be free from rust, corrosion or bending of members.	Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. The shade structure will be free from chipped, peeling or worn paint.	Repaint the structure with lead free paint (0.06% maximum lead by dry weight).
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
10. The shade structure will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
11. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
12. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
13. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-7: Sign - Maintenance schedule.

## 7. SIGN

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
The sign will comply with baseline inspection criteria		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The sign will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The sign will be free from vandalism.		Repair or replace vandalized components.	
3. The sign will be fully exposed with no vegetation obscuring its visibility.		Trim trees or shrubs to maintain visibility.	
4. The sign will be bright and readable, with no peeling, chipped, or worn paint.		Repair or repaint the sign; replace as needed.	
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
6. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
8. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten or replace hardware.	

Table E-7: Sign - Maintenance schedule (cont.).

## 7. SIGN - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The sign will be free from loose, missing or broken parts.	Repair or replace loose, missing, or broken components.
2. The sign will be free from vandalism.	Repair or replace vandalized components.
3. The sign will be fully exposed with no vegetation obscuring its visibility.	Trim trees or shrubs to maintain visibility.
4. The sign will be bright and readable, with no peeling, chipped, or worn paint.	Repair or repaint the sign; replace as needed.
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
6. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten or replace hardware.
10. The sign will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
11. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
12. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
13. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-8: Trellis - Maintenance schedule.

## 8. TRELLIS

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
The trellis will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. The trellis will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The trellis will be free from vandalism.		Repair or replace vandalized components.	
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
4. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.	
6. The trellis will be free from chipped, peeling or worn paint.		Repaint the structure with lead free paint (0.06% maximum lead by dry weight).	

Table E-8: Trellis - Maintenance schedule (cont.).

## 8. TRELLIS - continued

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. The trellis will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The trellis will be free from vandalism.		Repair or replace vandalized components.	
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
4. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.	
6. The trellis will be free from chipped, peeling or worn paint.		Repaint the structure with lead free paint (0.06% maximum lead by dry weight).	
7. The trellis will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
8. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	
9. Pressure treated wood materials will be coated with a non-toxic sealant every two years.		Coat pressure treated wood materials with a non-toxic sealant every two years.	
10. All paints will be free from lead (0.060/0 maximum lead by dry weight).		Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).	

Table E-9: Ground Cover - Maintenance schedule.

**9. GROUND COVER**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Ground cover will comply with baseline inspection criteria.		Remedy deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Ground cover will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Water plantings to 25 mm (1-inch) rainfall per week as necessary to maintain plant health.	
2. Planting beds will be free from species with thorns, mushrooms and other fungi.		Remove species with thorns, mushrooms and other fungi from planting beds.	
3. Planting beds will be free from species with berries.		Remove species with berries.	
4. Planting beds will be free from pending or puddles.		Adjust watering schedule, improve drainage or re-evaluate planting plan as necessary.	
5. Planting beds will be free from weeds.		Remove weeds manually.	
6. Weeds will be controlled by non-chemical means (see AR 608-10).		Remove weeds manually.	

Table E-9: Ground Cover - Maintenance schedule (cont.).

## 9. GROUND COVER - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. Ground cover beds will be free from debris.	Remove debris from planting beds.
2. Ground cover will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.	Water plantings to 25 mm (1-inch) rainfall per week as necessary to maintain plant health.
3. Planting beds will be free from species with thorns, mushrooms and other fungi.	Remove species with thorns, mushrooms and other fungi from planting beds.
4. Planting beds will be free from species with berries.	Remove species with berries.
5. Planting beds will be free from pending or puddles.	Adjust watering schedule, improve drainage or re-evaluate planting plan as necessary.
6. Planting beds will be free from weeds.	Remove weeds manually.
7. Weeds will be controlled by non-chemical means (see AR 608-10).	Remove weeds manually.
8. Insect infestation will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.	Contact installation pest management personnel for appropriate insect treatment.
9. Plant disease will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.	Contact installation pest management personnel for appropriate disease treatment.
10. Ground cover will be pruned to maintain a natural appearance, rejuvenate plants, and stimulate flower development.	Prune ground cover.
11. Ground cover will be fertilized using a sub-surface method to maintain a healthy condition.	Fertilize ground cover.
12. Ground cover beds will be filled as needed to avoid settling.	Fill beds as needed.
13. Planting beds will be free of poisonous species.	Evaluate plant materials prior to any plantings and annually for poisonous species; eliminate poisonous species.



Table E-10: Mulch - Maintenance schedule.

**10. MULCH**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Mulch will comply with baseline inspection criteria.		Remedy deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. The mulch will be free from mold, rot, mildew, mushrooms and other fungi.		Remove mulch areas with mold, rot, mildew, mushrooms and other fungi.	
2. The mulch will be free from insect and rodent infestation.		Remove mulch areas with insect infestation. Remove rodent nests.	
3. The mulch will be free from puddling and poor drainage.		Redesign or repair area to improve drainage as necessary.	
4. The mulch will be distributed to an even depth of 100 mm (4 inches) and be free from potholes and low areas.		Redistribute mulch to an even depth of 100 mm (4 inches) with a rake.	
ANNUAL:			
1. The mulch will be free of debris such as stones, branches, and trash.		Remove debris from mulch.	
2. The mulch will be free from mold, rot, mildew, mushrooms and other fungi.		Remove mulch areas with mold, rot, mildew, mushrooms and other fungi.	
3. The mulch will be free from insect and rodent infestation.		Remove mulch areas with insect infestation. Remove rodent nests.	
4. The mulch will be free from puddling and poor drainage.		Redesign or repair area to improve drainage as necessary.	
5. The mulch will be distributed to an even depth of 100 mm (4 inches) and be free from potholes and low areas.		Redistribute mulch to an even depth of 100 mm (4 inches) with a rake.	
6. The depth of mulch will be 100 mm (4 inches).		Replenish mulch lost to dispersal or decay to maintain a minimum depth of 100 mm (4 inches).	
7. The mulch will be replenished with material which is free of debris or other foreign matter, such as stones, dirt branches, soil, thorns, or leaves.		Replenish the mulch with material which is free of debris or other foreign matter, such as stones, dirt branches, soil, thorns, or leaves.	

Table E-11: Shrubs - Maintenance schedule.

**11. SHRUBS**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Shrubs will comply with baseline inspection criteria.		Remedy deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Planting beds will be free from species with thorns, mushrooms and other fungi.		Remove species with thorns, mushrooms and other fungi from planting beds.	
2. Shrubs will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Water plantings to 25 mm (1-inch) of rainfall per week as necessary to maintain plant health.	
3. Planting beds will be free from roots which may cause trip hazards.		Remove roots which may cause trip hazards.	
4. Shrubs will be free from broken, dead or sharp branches.		Remove broken, dead or sharp branches.	
5. Planting beds will be free from species with berries.		I Remove species with berries.	
6. Planting bed will be free from weeds.		I Remove weeds manually.	
7. Weeds will be controlled by non-chemical means (see AR 608-10).		Remove weeds manually.	
8. Planting beds will be free from pending or puddles.		Adjust watering schedule or improve drainage; re-evaluate planting plan as necessary.	
9. Shrubs will be pruned to maintain a natural appearance, rejuvenate plants, and remove hazards.		Prune shrubs to maintain a natural looking appearance, maintain or reduce shrub size, rejuvenate plants, and remove hazards. Remove roots that may be trip hazards; dead, diseased, weak, and rubbing branches; sharp and broken branches; limbs which protrude into pathways at a height of 2000 mm (80 inches) or less; weak limbs; and limbs that interfere with supervision of children or play activity.	
10. Stakes and guy wires will be adjusted and removed when appropriate to prevent trunk damage.		Adjust guy wires, remove guy wires and stakes after second growing season.	

Table E-11: Shrubs - Maintenance schedule (cont.).

**11. SHRUBS - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. Planting beds will be free from debris.	Remove debris from planting beds.
2. Planting beds will be free from species with thorns, mushrooms and other fungi.	Remove species with thorns, mushrooms and other fungi from planting beds.
3. Shrubs will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.	Water plantings to one inch of rainfall per week as necessary to maintain plant health.
4. Planting beds will be free from roots which may cause trip hazards.	Remove roots which may cause trip hazards.
5. Shrubs will be free from broken, dead or sharp branches.	Remove broken, dead or sharp branches.
6. Planting beds will be free from species with berries.	Remove species with berries.
7. Planting beds will be free from pending or puddles.	Adjust watering schedule or improve drainage; re-evaluate planting plan as necessary.
8. Shrubs will be pruned to maintain a natural appearance, rejuvenate plants, and remove hazards.	Prune shrubs to maintain a natural looking appearance, maintain or reduce shrub size, rejuvenate plants, and remove hazards. Remove roots that may be trip hazards; dead, diseased, weak, and rubbing branches; sharp and broken branches; limbs which protrude into pathways at a height of 2000 mm (80 inches) or less; weak limbs; and limbs that interfere with supervision of children or play activity.
9. Stakes and guy wires will be adjusted and removed when appropriate to prevent plant damage.	Adjust guy wires, remove guy wires and stakes after second growing season.
10. Planting bed will be free from weeds.	Remove weeds manually.
11. Weeds will be controlled by non-chemical means (see AR 608-10).	Remove weeds manually.
12. Insect infestation will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.	Contact installation pest management personnel for appropriate insect treatment.
13. Plant disease will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.	Contact installation pest management personnel for appropriate disease treatment.
14. Shrubs will be fertilized using a sub-surface method to maintain a healthy condition.	Fertilize shrubs.
15. Organic mulch will be maintained in plant beds and around individual shrubs to a depth of 100 mm (4 inches).	Maintain 100 mm (4 inches) of organic mulch in plant beds and around individual shrubs.
16. Employ proper planting techniques to prevent plant and trunk damage.	Remove plastic or other material from root ball; trim or spread roots which are wrapping around root ball.
17. Planting beds will be filled as need to avoid settling.	Fill beds as needed.
18. Planting beds will be free of poisonous species.	Evaluate plant materials prior to any plantings and annually for poisonous species; eliminate poisonous species.

Table E-12: Tree - Maintenance schedule.

**12. TREE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>		
The tree will comply with baseline inspection criteria.		Remedy deficiencies noted upon inspection or replace tree.
<b>PERIODIC:</b>		
1. The tree will be free from broken stakes and protruding wires.		Replace broken stakes and eliminate protruding wires.
2. The tree will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Water the tree to 25 mm (1 -inch) of rainfall per week as necessary to maintain plant health.
3. The tree will be free from broken, dead, or sharp branches.		Remove broken, dead or sharp branches.
4. The tree will be free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less.		The tree will be free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less.
5. The tree will be free from roots which may cause trip hazards.		Remove roots which may cause trip hazards.
6. Stakes and guy wires will be adjusted and removed when appropriate to prevent plant damage.		Adjust guy wires; remove guy wires and stakes after second growing season,

Table E-12: Tree - Maintenance schedule (cont.).

**12. TREE - continued**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>ANNUAL:</b>			
1. The tree will be free from broken stakes and protruding wires.		Replace broken stakes and eliminate protruding wires.	
2. The tree will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Water the tree to 25 mm (1-inch) of rainfall per week as necessary to maintain plant health.	
3. The tree will be free from broken, dead, or sharp branches.		Remove broken, dead or sharp branches.	
4. The tree will be free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less.		The tree will be free from branches that protrude into the pathway overhead at a height of 2000 mm (80 inches) or less.	
5. The tree will be free from roots which may cause trip hazards.		Remove roots which may cause trip hazards.	
6. Stakes and guy wires will be adjusted and removed when appropriate to prevent plant damage.		Adjust guy wires; remove guy wires and stakes after second growing season.	
7. The tree will be pruned to maintain a natural looking appearance, maintain or reduce size, rejuvenate plants, and remove hazards.		Prune the tree. Remove rubbing branches; weak limbs; limbs that interfere with supervision of children or play activity; and branches that encourage climbing.	
8. A minimum 900 mm (36 inches) diameter bed of organic mulch will be maintained around individual trees.		Maintain a bed of organic mulch around individual trees for a minimum diameter of 900 mm (36 inches).	
9. Organic mulch will be maintained at a 100 mm (4-inch) depth.		Replenish mulch to maintain a 100 mm (4-inch) depth. Use material which is free of debris or other foreign matter, such as stones, dirt branches, soil, thorns, or leaves.	
10. Insect infestation will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate insect treatment.	
11. Plant disease will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate plant disease treatment.	
12. The tree will be fertilized using a sub-surface method to maintain a healthy condition.		Fertilize the tree.	
13. Proper planting techniques will be employed to prevent plant and trunk damage.		Remove plastic or other material from root ball; trim or spread roots which are wrapping around root ball.	
14. The play area will be free from poisonous tree species.		Evaluate plant materials prior to any plantings and annually for poisonous species; eliminate poisonous species.	
15. Trees with fruit and berries will not be provided.		I Remove trees with fruit or berries.	

Table E-13: Turf - Maintenance schedule.

## 13. TURF

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
Turf will comply with baseline inspection criteria.		Remedy deficiencies noted upon inspection.	
<b>PERIODIC:</b>			
1. Turf will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Irrigate turf to 25 mm (1-inch) of rainfall per week as necessary during growing season.	
2. Turf will be free from mushrooms and other fungi.		Remove mushrooms and other fungi.	
3. Turf will be mowed to a height of of 25 to 50 mm (1 to 2 inches).		Mow and edge the turf to maintain a height of 25 to 50 mm (1 to 2 inches).	
4. Turf areas will be free from holes and trip hazards.		Fill holes and remove trip hazards as needed.	
5. Turf will be free from poor drainage, pending, and puddles.		Improve drainage or re-evaluate planting plan as necessary.	
6. Weeds will be controlled by nonchemical means (see AR 608-10).		Remove weeds from turf areas using manual means.	
<b>ANNUAL:</b>			
1. Turf will receive sufficient water (25 mm (1-inch) per week) to remain healthy and vigorous.		Irrigate turf to 25 mm (1-inch) of rainfall per week as necessary during growing season.	
2. Turf will be free from mushrooms and other fungi.		Remove mushrooms and other fungi.	
3. Turf will be mowed to a height of 25 to 50 mm (1 to 2 inches).		Mow and edge the turf to maintain a height of 25 to 50 mm (1 to 2 inches).	
4. Turf areas will be free from holes and trip hazards.		Fill holes and remove trip hazards as needed.	
5. Turf will be free from poor drainage, pending, and puddles.		Improve drainage or re-evaluate planting plan as necessary.	
6. Weeds will be controlled by non-chemical means (see AR 608-10).		Remove weeds from turf areas using manual means.	
7. Insect infestation will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate insect treatment.	
8. Plant disease will be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate plant disease treatment.	
9. Turf will be fertilized using a sub-surface method to maintain healthy growth.		Fertilize turf.	
10. Turf areas will be free from excessive settling.		Fill low areas with topsoil, and re-seed or sod as necessary.	
11. Soil will be aerated to maintain a healthy growth.		Aerate the soil.	
12. Turf will be dethatched to maintain a healthy growth.		Dethatch the turf.	
13. Turf areas will be free of poisonous plant species.		Evaluate plant materials prior to any plantings and annually for poisonous species; eliminate poisonous species.	

Table E-14: Drinking Fountain - Maintenance schedule.

**14. DRINKING FOUNTAIN**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
The drinking fountain will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. The drinking fountain will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The drinking fountain will be free from vandalism.		Repair or replace vandalized components.	
3. The drinking fountain basin, spigot, and handle will be cleaned and regularly disinfected as per AR 608-10.		Clean and disinfect the basin, spigot, and handle.	
4. The fountain hardware and plumbing will be in good working order, with the drain running free.		Repair leaks and clear drain by manual means as needed.	
5. The arch of water will be sufficient to hit the drinking fountain drain without overshooting.		Adjust the arch of water.	
6. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
7. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
8. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
9. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
10. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
11. The drinking fountain will be free from chipped, peeling or worn paint.		Repaint the fountain with lead free paint (0.06% maximum lead by dry weight).	

Table E-14: Drinking Fountain - Maintenance schedule (cont.).

**14. DRINKING FOUNTAIN - continued**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. The drinking fountain will be free from loose, missing, or broken parts.		Repair or replace loose, missing, or broken components.	
2. The drinking fountain will be free from vandalism.		Repair or replace vandalized components.	
3. The drinking fountain basin, spigot, and handle will be cleaned and regularly disinfected as per AR 608-10.		Clean and disinfect the basin, spigot, and handle.	
4. The fountain hardware and plumbing will be in good working order with the drain running free.		Repair leaks and clear drain by manual means as needed.	
5. The arch of water will be sufficient to hit the drinking fountain drain without overshooting.		Adjust the arch of water.	
6. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width),		Repair or replace damaged materials.	
7. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
8. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
9. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners,	
10. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
11, The drinking fountain will be free from chipped, peeling or worn paint.		Repaint the fountain with lead free paint (0.06% maximum lead by dry weight).	
12. The drinking fountain will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
13. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	
14, Pressure treated wood materials will be coated with a non-toxic sealant every two years.		Coat pressure treated wood materials with a non-toxic sealant every two years.	
15, All paints will be free from lead (0.06% maximum lead by dry weight).		Refinish and repaint with lead free paint (0.060/0 maximum lead by dry weight).	



Table E-15: Irrigation - Maintenance schedule.

## 15. IRRIGATION

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The irrigation system will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The irrigation system will be free from trip hazards, such as unretracted sprinkler heads, exposed pipes, etc.	Eliminate trip hazards.
2. Irrigation will be maintained at the proper level to provide needed moisture (25 mm (1-inch) of rainfall per week) without over watering.	Check sprinklers for proper adjustment; minimize overflow.
<b>ANNUAL:</b>	
1. The irrigation system will be free from trip hazards, such as unretracted sprinkler heads, exposed pipes, etc.	Eliminate trip hazards.
2. Irrigation will be maintained at the proper level to provide needed moisture (25 mm (1-inch) of rainfall per week) without over watering.	Check sprinklers for proper adjustment; minimize overflow.
3. Sprinkler heads will be free from dirt and debris,	Remove dirt from the sprinkler heads by disassembling, cleaning and re-assembly or replace sprinkler head as needed.
4. Pipes will be flushed out from the mainline through the quick coupling valves after cleaning sprinkler heads.	Flush out the pipes from the mainline through the quick coupling valves.
5. Sprinkler heads will be set to finished grade.	Dig up improperly placed heads and raise or lower them to the proper grade.
6. Valves will be maintained in proper working order,	Disassemble and thoroughly clean malfunctioning valves; replace as needed.
7. Inspect irrigation pipes for placement and leaks.	Repair irrigation pipes when possible, taking care to keep dirt out of the system; replace pipes as needed.
8. Systems will be winterized each fall and started up each spring in cold climates,	Winterize the system each fall in cold climates and start up the system in spring.
9. Backflow prevention devices will be installed to ensure water in the irrigation system does not back-siphon into the potable distribution system,	Install backflow prevention devices.
10. The backflow prevention devices will be tested annually to ensure operability according to state and local laws and manufacturer's guidance.	Test backflow prevention devices annually to ensure operability.

Table E-16: Sink - Maintenance schedule.

## 16. SINK

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
The sink will comply with baseline inspection criteria		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The sink, cabinet, and surface will be free from loose, missing, or broken parts.		Repair or replace loose, missing, or broken components.	
2. The sink, cabinet, and surface will be free from vandalism.		Repair or replace vandalized components,	
3. The sink basin, cabinet, spigot, and handle will be cleaned and regularly disinfected as per <i>AR 608-10</i> .		Clean and disinfect the sink basin, cabinet, spigot, and handle.	
4. The sink hardware and plumbing will be in good working order, with drain running free.		Repair leaks; clear drain by manual means as required.	
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
6. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
8. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
10. The sink and cabinet will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).	

Table E-16: Sink - Maintenance schedule (cont.).

**16. SINK - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The sink, cabinet, and surface will be free from loose, missing or broken parts.	Repair or replace loose, missing, or broken components.
2. The sink, cabinet, and surface will be free from vandalism.	Repair or replace vandalized components.
3. The sink basin, cabinet, spigot, and handle will be cleaned and regularly disinfected as per AR 608-10	Clean and disinfect the sink basin, cabinet, spigot, and handle.
4. The sink hardware and plumbing will be in good working order with drain running free.	Repair leaks; clear drain by manual means as required.
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
6. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
10. The sink and cabinet will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
11. The sink and cabinet will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
12. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions,
13. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
14. All paints will be free from lead (0.060/0 maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06°10 maximum lead by dry weight).

Table E-17: Storm Drain - Maintenance schedule.

**17. STORM DRAIN**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
The storm drain will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Storm drain inlets will be clear and free running so that water is not standing on the ground surface.		Clear the inlet of debris, sand, leaves, or other material to prevent standing water; clear out drain as needed.	
2. Storm drain covers will be securely fastened to the frame.		Tighten or replace cover hardware as needed.	
ANNUAL:			
1. Storm drain inlets will be clear and free running so that water is not standing on the ground surface.		Clear the inlet of debris, sand, leaves, or other material to prevent standing water; clear out drain as needed.	
2. Storm drain covers will be securely fastened to the frame.		Tighten or replace cover hardware as needed.	

Table E-18: Sand Safety Surfacing (Within Use Zones) - Maintenance schedule.

**18. SAND SAFETY SURFACING (WITHIN USE ZONES)**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>BASELINE:</b>			
Sand safety surfacing will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace with required material as needed.	
<b>PERIODIC:</b>			
1. Sand safety surfacing will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.		Remove toys, wheeled toys, foreign objects, and debris. Rake to expose hidden debris; remove debris manually or with a shovel.	
2. Sand safety surfacing will be free of animal feces.		Rake to expose hidden feces. Remove feces with a shovel.	
3. Sand safety surfacing will be removed from adjacent areas and pathways.		Sweep/shovel sand from pathways and adjacent areas back into sand area.	
4. Sand safety surfacing will be free from holes caused by digging or play activities.		Shovel or rake sand to fill low areas or holes caused by digging or play activities.	
5. Sand safety surfacing will be free of insect infestation.		Sieve sand to thoroughly clean and remove insect infestation.	
6. Sand safety surfacing will be free from puddles and poor drainage.		Redesign sub-base to improve drainage if necessary.	
7. Sand safety surfacing will be maintained at a minimum depth of 450 mm (18 inches) over base materials and footings.		Replace sand to maintain the minimum 450 mm (18-inch) depth. A headfirst fall from the highest point of the play equipment onto the play area surface must result in an impact not to exceed 200 g's and a Head Injury Criteria value of no more than 1,000 as specified by the ASTM F 1292.	

Table E-18: Sand Safety Surfacing (Within Use Zones) - Maintenance schedule (cont.).

**18. SAND SAFETY SURFACING (WITHIN USE ZONES) - continued**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. Sand safety surfacing will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.		Remove toys, wheeled toys, foreign objects, and debris. Rake to expose hidden debris; remove debris with a shovel.	
2. Sand safety surfacing will be free of animal feces.		Rake to expose hidden feces. Remove feces with a shovel.	
3. Sand safety surfacing will be removed from adjacent areas and pathways.		Sweep/shovel sand from pathways and adjacent areas back into sand area.	
4. Sand safety surfacing will be free from holes caused by digging or play activities.		Shovel or rake sand to fill low areas or holes caused by digging or play activities.	
5. Sand safety surfacing will be monitored for freezing conditions which will reduce impact attenuation.		Close the play equipment area if sand safety surface is frozen.	
6. Sand safety surfacing will be free of insect infestation.		Sieve sand to thoroughly clean and remove insect infestation.	
7. Sand safety surfacing will be free from puddles and areas of poor drainage.		Redesign sub-base to improve drainage if necessary.	
8. Sand safety surfacing will be maintained at a minimum depth of 450 mm (18 inches) over base materials and footings.		Replace sand to maintain the minimum 450 mm (18-inch) depth. A headfirst fall from the highest point of the play equipment onto the play area surface must result in an impact not to exceed 200 g's and a Head Injury Criteria value of no more than 1,000 as specified by the ASTM F 1292.	
9. Sand safety surfacing will be thoroughly cleaned and aerated annually.		Sieve sand annually to thoroughly clean and aerate	
10. Sand safety surfacing will be removed and replaced when impact attenuating ability deteriorates due to dirt and debris.		Completely remove and replace sand when a headfirst fall from the highest point of the play equipment onto the play area surface does not result in an impact not to exceed 200 g's and a HIC value of no more than 1,000 as specified by the ASTM F 1292.	

Table E-19: Synthetic Safety Surfacing (Within Use Zones) - Maintenance schedule,

**19. SYNTHETIC SAFETY SURFACING (WITHIN USE ZONES)**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> Synthetic safety surfacing will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b> 1. Synthetic safety surfacing will be free of loose material and foreign objects such as debris, sand, gravel, leaves, soil, and toys. 2. Synthetic safety surfacing will be firmly attached to the underlying surface. 3. Synthetic safety surfacing will be free of abrupt changes in level greater than 6 mm (1/4-inch). 4. Synthetic safety surfacing will be free of cuts, nicks or damaged areas. 5. Synthetic safety surfacing will be free from exposed hardware and sharp edges.	Pick up debris, toys, and wheeled toys; sweep surfacing to remove loose materials such as sand, gravel, leaves, and soil. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer.
<b>ANNUAL:</b> 1. Synthetic safety surfacing will be free of loose material and foreign objects such as debris, sand, gravel, leaves, soil, and toys. 2. Synthetic safety surfacing will be free from puddles, ice, and snow when children are brought outdoors to play. 3. Synthetic safety surfacing will be monitored for cold temperatures which will reduce impact attenuation. 4. Synthetic safety surfacing will be firmly attached to the underlying surface. 5. Synthetic safety surfacing will be free of abrupt changes in level greater than 6 mm (1/4-inch). 6. Synthetic safety surfacing will be free of cuts, nicks or damaged areas. 7. Synthetic safety surfacing will be free from exposed hardware and sharp edges.	Pick up debris, toys, and wheeled toys; sweep surfacing to remove loose materials such as sand, gravel, leaves, and soil. Remove puddles, ice, and snow. Close the play equipment area when the outdoor temperature is -4 degrees Celsius (25 degrees Fahrenheit) or less. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer. Repair surfacing with materials and techniques recommended by the product manufacturer.

Table E-20: Wood Product Safety Surfacing (Within Use Zones) - Maintenance schedule.

**20. WOOD PRODUCT SAFETY SURFACING (WITHIN USE ZONES)**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
Wood product safety surfacing will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. Wood product safety surfacing will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.		Remove toys, wheeled toys, foreign objects, and debris; rake to remove hidden debris. Remove debris manually or with a shovel.	
2. Wood product safety surfacing will be free of animal feces.		Rake to expose hidden feces. Remove feces with a shovel.	
3. Wood product safety surfacing will be free of mold, mushrooms and fungi, mildew, rot, and insect or rodent infestation.		Remove wood product with mold, mildew, rot, or insect infestation; remove rodent nests, mushrooms, and fungi.	
4. Wood product safety surfacing will be removed from adjacent areas and pathways.		Sweep/shovel wood product from pathways and adjacent areas back into wood chip area.	
5. Wood product safety surfacing will be free from holes or low areas caused by digging or play activities.		Shovel or rake wood product to fill low areas or holes caused by digging or play activities.	
6. Wood product safety surfacing will be free from puddles and areas of poor drainage.		Redesign sub-base to improve drainage if necessary.	
7. Wood product safety surfacing will be maintained at a minimum depth of 300 mm (12 inches) over base materials .		Replace wood product to maintain the minimum 300 mm (12-inch) material depth. A headfirst fall from the highest point of the play equipment onto the play area surface must result in an impact not to exceed 200 g's and a Head Injury Criteria value of no more than 1,000 as specified by the ASTM F 1292.	



Table E-20: Wood Product Safety Surfacing (Within Use Zones) - Maintenance schedule (cont.).

**20. WOOD PRODUCT SAFETY SURFACING (WITHIN USE ZONES) - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. Wood products will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.	Remove toys, wheeled toys, foreign objects, and debris; rake to remove hidden debris. Remove debris manually or with a shovel.
2. Wood products will be free of animal feces.	Rake to expose hidden feces. Remove feces manually or with a shovel.
3. Wood products will be free of mold, mushrooms and fungi, mildew, rot, and insect or rodent infestation.	Remove wood chip areas with mold, mildew, rot, or insect infestation; remove rodent nests, mushrooms, and fungi.
4. Wood products will be removed from adjacent areas and pathways.	Sweep/shovel wood products from pathways and adjacent areas back into wood chip area.
5. Wood products will be free from holes or low areas caused by digging or play activities.	Shovel or rake wood products to fill low areas or holes caused by digging or play activities.
6. Wood products will be monitored for freezing conditions which will reduce impact attenuation.	Close the play equipment area if the safety surface is frozen when children are brought outside to play.
7. Wood products will be free from puddles and areas of poor drainage.	Redesign subbase to improve drainage if necessary.
8. Wood products will be maintained at a minimum depth of 300 mm (12 inches) over base materials.	Replace wood products to maintain the minimum 300 mm (12-inch) material depth. A headfirst fall from the highest point of the play equipment onto the play area surface must result in an impact not to exceed 200 g's and a HIC value of no more than 1,000 as specified by the ASTM F 1292.
9. Wood products will be removed and replaced when impact attenuating ability deteriorates due to decomposition, dirt and debris.	Completely remove and replace wood products when a headfirst fall from the highest point of the play equipment onto the play area surface does not result in an impact not to exceed 200 g's and a HIC value of no more than 1,000 as specified by the ASTM F 1292.

Table E-21: Bench - Maintenance schedule.

## 21. BENCH

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
The bench will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The bench will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The bench will be free from vandalism.		Repair or replace vandalized components.	
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
4. Concrete materials will be free from extensive cracking, rough surfaces, and sharp edges or corners.		Repair or replace concrete components as needed; eliminate sharp edges and corners.	
5. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
7. Metal materials will be free from rough metal, and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
9. The bench will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.060% maximum lead by dry weight).	

Table E-21: Bench - Maintenance schedule (writ.).

**21. BENCH - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The bench will be free from loose, missing or broken parts.	Repair or replace loose, missing, or broken components.
2. The bench will be free from vandalism.	Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
4. Concrete materials will be free from extensive cracking, rough surfaces, and sharp edges or corners.	Repair or replace concrete components as needed; eliminate sharp edges and corners.
5. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
9. The bench will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
10. The bench will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
11. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
12. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
13. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-22: Removable Shade - Maintenance schedule.

**22. REMOVABLE SHADE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASILINE:</b>		
The removable shade element will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>		
1. The removable shade element will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.
2. The removable shade element will be free from vandalism.		Repair or replace vandalized components.
3. Shade elements will be clean.		Clean the shade element.
4. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.
5. The removable shade element will be free from sharp edges or corners.		Replace parts.
6. The removable shade element will be free from rust, corrosion, or bending of members.		Repair or replace parts.
<b>ANNUAL:</b>		
1. The removable shade element will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components.
2. The removable shade element will be free from vandalism.		Repair or replace vandalized components.
3. Shade elements will be clean.		Clean the shade element.
4. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.
5. The removable shade element will be free from sharp edges or corners.		Replace parts.
6. The removable shade element will be free from rust, corrosion, or bending of members.		Repair or replace parts.
7. The removable shade element will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.
8. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.

Table E-23: Table - Maintenance schedule.

## 23. TABLE

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b>	
The table will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The table will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The table will be free from vandalism.	Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
4. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
6. The table will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.060/0 maximum lead by dry weight).

Table E-23: Table - Maintenance schedule (cont.).

## 23. TABLE - continued

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. The table will be free from loose, missing or broken Darts.		Repair or replace loose, missing or broken components.	
2. The table will be free from vandalism.		I Repair or replace vandalized components.	
3. The table will be clean and disinfected as per AR 608-10.		Clean and disinfect the table.	
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
7. The table will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).	
8. The table will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
9. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	
10. Pressure treated wood materials will be coated with a non-toxic sealant every two years.		Coat pressure treated wood materials with a non-toxic sealant every two years.	
11. All paints will be free from lead (0.06% maximum lead by dry weight).		Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).	

Table E-24: Trash Receptacle - Maintenance schedule.

**24. TRASH RECEPTACLE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASILINE:</b>		
The trash receptacle will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>		
1. The trash receptacle will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components.
2. The trash receptacle will be free from vandalism.		Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.
4. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.
5. Concrete materials will be free from extensive cracking, rough surface, and sharp edges and corners.		Repair or replace concrete components as needed. Eliminate sharp edges or corners.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.
9. The trash receptacle will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).
10. All trash receptacles will be cleaned with detergent, water and a disinfectant monthly as weather permits or more often if needed.		Clean trash receptacles with detergent, water and a disinfectant monthly as weather permits or more often if needed.

Table E-22: Removable Shade - Maintenance schedule.

**22. REMOVABLE SHADE**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
The removable shade element will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. The removable shade element will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components.	
2. The removable shade element will be free from vandalism.		Repair or replace vandalized components.	
3. Shade elements will be clean.		Clean the shade element.	
4. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
5. The removable shade element will be free from sharp edges or corners.		Replace parts.	
6. The removable shade element will be free from rust, corrosion, or bending of members.		Repair or replace parts.	
ANNUAL:			
1. The removable shade element will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components.	
2. The removable shade element will be free from vandalism.		Repair or replace vandalized components.	
3. Shade elements will be clean.		Clean the shade element.	
4. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
5. The removable shade element will be free from sharp edges or corners.		Replace parts.	
6. The removable shade element will be free from rust, corrosion, or bending of members.		Repair or replace parts.	
7. The removable shade element will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
8. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	



Table E-25: Weed and Pest Management - Maintenance schedule,

## 25. WEED AND PEST MANAGEMENT

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
Weed and pest management practices will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection.	
<b>PERIODIC:</b>			
1. Weeds will be controlled by manual rather than chemical means (see AR 608-10).		Remove weeds manually.	
2. Insect infestation must be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate insect treatment.	
3. Plant disease must be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate disease treatment.	
<b>ANNUAL:</b>			
1. Weeds will be controlled by manual rather than chemical means (see AR 608-10).		Remove weeds manually.	
2. Insect infestation must be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate insect treatment.	
3. Plant disease must be evaluated and treated by Certified Pesticide Applicators as described in AR 420-76.		Contact installation pest management personnel for appropriate disease treatment.	
4. If chemical treatment for plant disease or insects is necessary, the approved treatment will be applied only when children will be absent from the CDC for an adequate period of time to avoid chemical exposure.		Approved treatment will be applied by Certified Pesticide Applicator only when children are absent from the CDC for an adequate period of time to avoid chemical exposure (e.g., over a weekend or vacation break).	
5. Bait stations, if justified, will be tamper proof and inaccessible to children.		Use bait stations which are tamper proof and inaccessible to children.	
6. Stinging insect nests will be removed by pest management personnel.		Pest management personnel will remove stinging insect nests.	
7. Children will not re-enter the play area for 24 hours after the removal of stinging insect nests.		Close the play area for 24 hours after the removal of stinging insect nests.	
8. Vertebrate pests will be managed by trapping.		Trap vertebrates.	
9. Live animal traps will not be used when children are present.		Do not use traps when children are present.	

Table E-23: Table - Maintenance schedule (writ.).

## 23. TABLE - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The table will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The table will be free from vandalism.	Repair or replace vandalized components.
3. The table will be clean and disinfected as per AR 608-10.	Clean and disinfect the table.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
7. The table will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.060/0 maximum lead by dry weight).
8. The table will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
9. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
10. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
11. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-26: Composite Structure - Maintenance schedule (writ.).

**26. COMPOSITE STRUCTURE - continued**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>ANNUAL:</b>			
1. The composite structure will be free from loose, missing or broken parts.		Repair or replace loose, missing, or broken components with parts recommended by the manufacturer.	
2. The composite structure will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
3. The composite structure will be free from wet or icy surfaces when children are brought outside to play.		Dry the structure if necessary.	
4. Metal composite structures will be closed when the temperature is freezing or below.		Close metal composite structures if the temperature is freezing or below.	
5. Composite structure surfaces, such as platforms, rungs, and steps, will be free from loose and slippery materials, e.g., sand, leaves, etc.		Sweep loose and slippery material, such as sand and leaves, from the composite structure surfaces.	
6. For preschool and school age, the composite structure's use zone will be free from obstructions when measured 2400 mm (96 inches) in any direction from the equipment.		Remove obstructions in the use zone or close the structure.	
7. For toddlers, the composite structure's use zone will be free from obstructions when measured 1800 mm (72 inches) in any direction from the equipment.		Remove obstructions in the use zone or close the structure.	
8. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials with parts recommended by the manufacturer.	
9. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials with parts recommended by the manufacturer.	
10. Plastic parts will be unbroken and without chips or cracks, particularly at joints and connections.		Repair or replace damaged materials with parts recommended by the manufacturer.	
11. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.	
12. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.	
13. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
14. The composite structure will be free from chipped, peeling, or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).	
15. All S-hooks and other connectors will be fully closed and secure. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.		Tighten loose hardware and connections, close open S-hooks and replace worn hardware.	
16. Rope will be free of fraying or rot.		I Replace with parts recommended by the manufacturer.	
17. Chain will be without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)		Replace with parts recommended by the manufacturer.	

Table E-24: Trash Receptacle - Maintenance schedule (cont.).

**24. TRASH RECEPTACLE - continued**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>ANNUAL:</b>			
1. The trash receptacle will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components.	
2. The trash receptacle will be free from vandalism.		Repair or replace vandalized components.	
3. Spills will be cleaned as they occur.		Clean spills as they occur.	
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
5. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.	
6. Concrete materials will be free from extensive cracking, rough surface, and sharp edges and corners.		Repair or replace concrete components as needed. Eliminate sharp edges or corners.	
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.	
8. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace pans as recommended by manufacturer. Eliminate sharp edges or corners.	
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace parts.	
10. The trash receptacle will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).	
11. All trash receptacles will be cleaned with detergent, water and a disinfectant monthly as weather permits or more often if needed.		Clean trash receptacles with detergent, water and a disinfectant monthly as weather permits or more often if needed.	
12. The unit will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts as required.	
13. All protrusions will meet inspection criteria (chap 4).		Eliminate protrusions.	
14. All dumpster type trash receptacles will be covered and closed.		Cover and close all dumpsters.	
15. Dumpster drain holes will be plugged or covered with mesh screening to prevent pest infestation.		Plug drain holes or cover with mesh screening to prevent pest infestation.	
16. Trash receptacles will be impermeable to moisture or lined with leakproof, nonabsorbent materials.		Repair leaks; replace trash receptacle; or line with leakproof, nonabsorbent material	
17. Trash receptacles will be covered with a lid or closed when not in use.		Cover trash receptacle with a lid or close when not in use; or replace receptacle.	
18. Pressure treated wood materials will be coated with a non-toxic sealant every two years.		Coat pressure treated wood materials with a non-toxic sealant every two years.	
19. All paints will be free from lead (0.06% maximum lead by dry weight).		Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).	

Table E-27: Arch Climber - Maintenance schedule.

**27. ARCH CLIMBER**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The arch climber will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The arch climber will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The arch climber will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The arch climber will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The arch climber will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The arch climber rungs will not rotate.		Tighten rungs or repair with manufacturer's recommended parts.	
ANNUAL:			
1. The arch climber will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The arch climber will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The arch climber will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The arch climber rungs will not rotate.		Tighten rungs or repair with manufacturer's recommended parts.	

Table E-26: Composite Structure - Maintenance schedule.

**26. COMPOSITE STRUCTURE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>BASELINE:</b>			
The composite structure will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The composite structure will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
2. The composite structure will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
3. <i>For preschool and school age</i> , the composite structure's use zone will be free from obstructions when measured 2400 mm (96 inches) in any direction from the equipment.		Remove obstructions in the use zone or close the structure.	
4. <i>For toddlers</i> , the composite structure's use zone will be free from obstructions when measured 1800 mm (72 inches) in any direction from the equipment.		Remove obstructions in the use zone or close the structure.	
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials with parts recommended by the manufacturer.	
6. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials with parts recommended by the manufacturer.	
7. Plastic parts will be unbroken and without chips or cracks, particularly at joints and connections.		Repair or replace damaged materials with parts recommended by the manufacturer.	
8. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.	
9. Metal materials will be free from rough metal, and sharp edges or corners.		Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.	
10. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
11. The composite structure will be free from chipped, peeling, or worn paint.		Repaint with lead free paint (0.060/0 maximum lead by dry weight).	
12. All S-hooks and other connectors will be fully closed and secure. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.		Tighten loose hardware and connections, close open S-hooks and replace worn hardware.	
13. Rope will be free of fraying or rot.		Replace with parts recommended by the manufacturer.	
14. Chain will be without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)		Replace with parts recommended by the manufacturer.	
15. Cable will be free from visible wear and frayed or projecting wires.		Replace with parts recommended by the manufacturer.	

Table E-29: Clatter Bridge - Maintenance schedule.

**29. CLATTER BRIDGE**

<b>MAINTENANCE STANDARDS</b>	<b>MAINTENANCE TASKS</b>
<b>BASILINE:</b>	
1. The clatter bridge will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
2. The clatter bridge will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
<b>PERIODIC:</b>	
1. The clatter bridge will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures..
2. The clatter bridge will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The clatter bridge will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The clatter bridge will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace chain with parts recommended by manufacturer.
5. The clatter bridge will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
7. The distance between the bridge and composite structure platform will be 50 mm (2 inches) maximum.	Adjust the gap between the clatter bridge and composite structure platform as needed.

Table E-28: Bubble Panel - Maintenance schedule.

**28. BUBBLE PANEL**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The bubble panel will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The bubble panel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The bubble panel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The bubble panel will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The bubble panel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
ANNUAL:			
1. The bubble panel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The bubble panel will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The bubble panel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The bubble panel will be free from scratches in the panel window which significantly obscure the view.		Replace the bubble panel when scratches significantly obscure the view.	



Table E-30: Cleated Ramp - Maintenance schedule.

**30. CLEATED RAMP**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The cleated ramp will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The cleated ramp will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The cleated ramp will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The cleated ramp will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The cleated ramp will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
ANNUAL:			
1. The cleated ramp will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The cleated ramp will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The cleated ramp will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The cleated ramp will be free from loose material, such as sand and leaves.		Sweep loose material, such as sand and leaves, from the ramp.	

Table E-29: Clatter Bridge - Maintenance schedule (cont.).

## 29. CLATTER BRIDGE - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The clatter bridge will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The clatter bridge will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The clatter bridge will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The clatter bridge will be free from loose material, such as sand, wood products, and leaves.	Sweep loose material, such as sand, wood products, and leaves from the clatter bridge.
5. The clatter bridge will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace chain with parts recommended by manufacturer.
6. The clatter bridge will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
7. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
8. The distance between the bridge and composite structure platform will be 50 mm (2 inches) maximum.	Adjust the gap between the clatter bridge and composite structure platform as needed.

Table E-32: Horizontal Ladder- Maintenance schedule.

**32. HORIZONTAL LADDER**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>		
1. The horizontal ladder will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
2. The horizontal ladder will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.
<b>PERIODIC:</b>		
1. The horizontal ladder will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.
2. The horizontal ladder will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The horizontal ladder will be free vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.
4. The horizontal ladder rungs will not rotate.		Tighten rungs or repair with manufacturer's recommended parts.
<b>ANNUAL:</b>		
1. The horizontal ladder will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.
2. The horizontal ladder will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The horizontal ladder will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.
4. The horizontal ladder rungs will not rotate,		Tighten rungs or repair with manufacturer's recommended parts.

Table E-33: Ladders and Stairs - Maintenance schedule.

**33. LADDERS AND STAIRS**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The ladder and stairs will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The ladder and stairs will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The ladder and stairs will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The ladder and stairs will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The ladder and stairs will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. Steps will be free from loose material, such as sand, wood products, and leaves.		Sweep loose material, such as sand, wood products, and leaves from ladders with stairs.	
5. The ladder rungs and steps will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
6. The ladder rungs will not rotate.		Tighten hardware or repair with manufacturer's recommended parts.	
ANNUAL:			
1. The ladder and stairs will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The ladder and stairs will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The ladder and stairs will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. Steps will be free from loose material, such as sand, wood products, and leaves.		Sweep loose material, such as sand, wood products, and leaves from ladders with stairs.	
5. The ladder rungs and steps will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
6. The ladder rungs will not rotate.		Tighten hardware or repair with manufacturer's recommended parts.	
7. The ladder and stairs will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).		Repair areas of entrapment by tightening components or with replacement parts recommended by the manufacturer.	

Table E-34: Net Climber - Maintenance schedule.

**34. NET CLIMBER**

<b>MAINTENANCE STANDARDS</b>	<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>	
1. The net climber will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
2. The net climber will meet all requirements for <b>composite structures</b> .	Follow maintenance standards and procedures specified for composite structures.
<b>PERIODIC:</b>	
1. The net climber will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The net climber will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The net climber will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The net climber will be free from worn cable.	Replace with parts recommended by the manufacturer
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
6. The net climber will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
7. The net will be adjusted to eliminate loose chain or cable.	Adjust the net to eliminate loose chain or cable.
8. Anchoring devices which are connected to the around will be buried below the playing surface.	Replenish safety surfacing.

Table E-34: Net Climber - Maintenance schedule (rent.).

**34. NET CLIMBER - continued**

<b>ANNUAL:</b>	
1. The net climber will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The net climber will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The net climber will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The net climber will be free from worn cable.	Replace with parts recommended by the manufacturer.
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
6. The net climber will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
7. The net will be adjusted to eliminate loose chain or cable.	Adjust the net to eliminate loose chain or cable.
8. Anchoring devices which are connected to the around will be buried below the playing surface.	Replenish safety surfacing.

Tab E-35: Protective Barrier- Maintenance schedule.

**35. PROTECTIVE BARRIER**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b><u>BASELINE:</u></b>			
1. The protective barrier will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The protective barrier will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
<b><u>PERIODIC:</u></b>			
1. The protective barrier will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The protective barrier will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The protective barrier will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
<b><u>ANNUAL:</u></b>			
1. The protective barrier will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The protective barrier will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The protective barrier will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	

Table E-36: Ring Trek - Maintenance schedule.

## 36. RING TREK

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The ring trek will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The ring trek will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The ring trek will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The ring trek will be free from loose, missing, or broken parts.		Repair or replace hose, missing or broken components with parts recommended by the manufacturer.	
3. The ring trek will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The ring trek will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)		Replace with parts recommended by the manufacturer.	
5. The ring trek will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.		Close S-hooks.	
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
ANNUAL:			
1. The ring trek will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The ring trek will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The ring trek will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The adjoining platforms will be free from loose material, such as sand, wood products, and leaves.		Sweep loose material, such as sand, wood products, and leaves, from adjoining platforms.	
5. The ring trek will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or		Replace with parts recommended by the manufacturer.	
6. The ring trek will be free from open S-hooks. The S-hook will be considered closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.		Close S-hooks.	
7. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or shipping.)		Tighten hardware or replace with parts recommended by the manufacturer.	



Table E-37: Roof - Maintenance schedule.

**37. ROOF**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The roof will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The roof will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The roof will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The roof will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The roof will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The roof will be securely attached.		Repair or replace roof with parts recommended by the manufacturer.	
ANNUAL:			
1. The roof will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The roof will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The roof will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The roof will be securely attached.		Repair or replace roof with parts recommended by the manufacturer.	

Table E-38: Slide - Maintenance schedule.

**38. SLIDE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>BASELINE:</b>			
1. The slide will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The slide will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
<b>PERIODIC:</b>			
1. The slide will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The slide will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The slide will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. Plastic slides will be free from breaks, cracks, or chips, particularly at joints and connections.		Repair broken and cracked components with manufacturer's recommended parts.	
5. The slide will be securely attached and free from damage.		Repair with manufacturer's recommended parts.	
6. The slide will be free of openings or gaps between materials that could entrap fingers, hair, or clothing.		Tighten hardware or repair with manufacturer's recommended parts to eliminate openings in the slide structure.	
7. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or striping.).		Tighten hardware or repair parts with manufacturer's recommended parts.	
8. The slide will be free from sharp edges and corners.		Eliminate sharp edges or corners.	

Table E-38: Slide - Maintenance schedule (cont.).

**38. SLIDE - continued**

ANNUAL:	
1. The slide will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The slide will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The slide will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. Plastic slides will be free from breaks, cracks, or chips, particularly at joints and connections.	Repair broken and cracked components with manufacturer's recommended parts.
5. The slide will be securely attached.	Repair with manufacturer's recommended parts.
6. The slide bed, platforms, and stairs will be free from loose material, such as sand, wood products, and leaves.	Sweep loose material, such as sand, leaves, and wood products, from the slide bed, platform, and stairs.
7. Metal slides will be closed when the sliding surface is excessively hot to touch.	Close the slide when excessively hot to touch.
8. The slide will be free of openings or gaps between materials that could entrap fingers, hair, or clothing.	Tighten hardware or repair with manufacturer's recommended parts to eliminate openings in the slide structure.
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or striping.).	Tighten hardware or repair parts with manufacturer's recommended parts.
10. The slide will be free from sharp edges and corners.	Eliminate sharp edges or corners.

Table E-39: Stationary Bridge - Maintenance schedule.

**39. STATIONARY BRIDGE**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The stationary bridge will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The stationary bridge will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The stationary bridge will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The bridge will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The bridge will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The bridge and bridge enclosures will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
ANNUAL:			
1. The stationary bridge will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The bridge will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The bridge will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The bridge and bridge enclosures will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
5. The bridge surface will be free from loose materials, such as sand, wood Products, and leaves.		Sweep the bridge surface to remove loose materials, such as sand, wood products, and leaves.	

Table E-40: Track Ride - Maintenance schedule.

**40. TRACK RIDE**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b>	
1. The track ride will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
2. The track ride will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
<b>PERIODIC:</b>	
1. The track ride will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The track ride will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The track ride will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The track ride will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace with parts recommended by the manufacturer.
5. The track ride will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
7. The track ride sliding mechanism will be free from wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace with parts recommended by the manufacturer.
8. The sliding mechanism will be well lubricated.	Lubricate sliding mechanism.

Table E-40: Track Ride - Maintenance schedule (cont.).

**40. TRACK RIDE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The track ride will meet all requirements for composite structures.	Follow maintenance standards and procedures specified for composite structures.
2. The track ride will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components with parts recommended by the manufacturer.
3. The track ride will be free from vandalism.	Repair or replace vandalized components with parts recommended by the manufacturer.
4. The adjoining platforms will be free from loose material, such as sand, wood products, and leaves.	Sweep loose material, such as sand, wood products, and leaves from adjoining platforms.
5. The track ride will be free from worn chain. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace with parts recommended by the manufacturer.
6. The track ride will be free from open S-hooks. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close S-hooks.
7. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by the manufacturer.
8. The track ride sliding mechanism will be free from wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace with parts recommended by the manufacturer.
9. The sliding mechanism will be well lubricated.	Lubricate sliding mechanism.
10. The sliding mechanism and other moving parts will be disassembled annually and replaced as indicated for visible signs of wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, or corrosion.)	Replace with parts recommended by the manufacturer as needed for wear.

Table E-41: Tunnel/Tunnel Slide - Maintenance schedule.

**41. TUNNEL/TUNNEL SLIDE**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
1. The tunnel will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The tunnel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
PERIODIC:			
1. The tunnel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The tunnel will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The tunnel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The tunnel will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
5. Plastic parts will be unbroken, and without chips or cracks, particularly at joints and connections.		Repair broken and cracked components with manufacturer's recommended parts.	
6. If the tunnel is composed of more than one piece, it will be free from openings between pieces.		Tighten tunnel components or repair with manufacturer's recommended parts.	
7. If the tunnel is a slide, it will meet all requirements for slides.		Follow maintenance standards and procedures specified for slides.	
3. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	

Table E-41: Tunnel/Tunnel Slide - Maintenance schedule (writ.).

**41. TUNNEL/TUNNEL SLIDE - continued**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. The tunnel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The tunnel will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The tunnel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The tunnel will be securely attached.		Tighten hardware or repair with manufacturer's recommended parts.	
5. Plastic parts will be unbroken, and without chips or cracks, particularly at joints and connections.		Repair broken and cracked components with manufacturer's recommended parts.	
6. If the tunnel is composed of more than one piece, it will be free from openings between pieces.		Tighten tunnel components or repair with manufacturer's recommended parts.	
7'. The tunnel will be free from loose material, such as sand, wood products, and leaves.		Sweep loose material, such as sand, wood products, and leaves from the tunnel.	
B. If the tunnel is a slide, it will meet all requirements for slides.		Follow maintenance standards and procedures specified for slides.	
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	



Table E-42: Wheel - Maintenance schedule.

## 42. WHEEL

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
<b>BASELINE:</b>			
1. The wheel will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
2. The wheel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
<b>PERIODIC:</b>			
1. The wheel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The wheel will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The wheel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The wheel will be securely attached with free movement and minimal wobble.		Tighten loose hardware and connections.	
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
6. The wheel will be free of accessible pinch, crush and shearing points (chap 4).		Tighten hardware or replace parts as recommended by the manufacturer.	
7. The wheel will be lubricated to allow free turning.		Lubricate the wheel.	

Table E-42: Wheel - Maintenance schedule (cont.).

**42. WHEEL - continued**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
ANNUAL:			
1. The wheel will meet all requirements for composite structures.		Follow maintenance standards and procedures specified for composite structures.	
2. The wheel will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components with parts recommended by the manufacturer.	
3. The wheel will be free from vandalism.		Repair or replace vandalized components with parts recommended by the manufacturer.	
4. The wheel will be securely attached with free movement and minimal wobble.		Tighten loose hardware and connections.	
5. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace with parts recommended by the manufacturer.	
6. The wheel will be free of accesible pinch, crush and shearing points (chap 4).		Tighten hardware or replace parts as recommended by the manufacturer.	
7. The wheel will be lubricated to allow free turning.		I Lubricate the wheel.	
8. The wheel will be free from head entrapments. Openings must meet all entrapment inspection criteria {chap 4}.		Repair areas of entrapment by tightening components or with replacement parts recommended by the manufacturer.	

Table E-43: Amphitheater - Maintenance schedule.

**43. AMPHITHEATER**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>		
The amphitheater will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>		
1. The amphitheater will be free from loose, missing, or broken parts.		Repair or replace loose, missing or broken components.
2. The amphitheater will be free from vandalism.		Repair or replace vandalized components.
3. Aisles and pathways will be of a continuous smooth surface without holes or abrupt changes in level greater than 6 mm (1/4-inch).		Fill holes and remove abrupt changes in level.
4. Aisles and pathways will be free from weeds.		Remove weeds manually.
5. Aisles and pathways will be free from insect or rodent infestation.		Remove insect infested material and rodent nests.
6. Aisles and pathways will be free from rot and mold.		Remove molded or rotten surfacing material.
7. Wood seats will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.
8. Concrete seats will be free from extensive cracking, rough surfaces, and sharp edges or corners.		Repair or replace concrete components as needed.
9. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.
10. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.
11. Seats will be free from chipped, peeling, or worn paint.		Repaint seats with lead free paint (0.060/0 maximum lead by dry weight).

Table E-43: Amphitheater - Maintenance schedule (cont.).

**43. AMPHITHEATER - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The amphitheater will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components.
2. The amphitheater will be free from vandalism.	Repair or replace vandalized components.
3. The amphitheater will be free from debris.	Remove debris.
4. Aisles and pathways will be of a continuous smooth surface without holes or abrupt changes in level greater than 6 mm (1/4-inch).	Fill holes and remove abrupt changes in level.
5. Aisles and pathways will be free from weeds.	Remove weeds manually.
6. Aisles and pathways will be free from insect or rodent infestation.	Remove insect infested material and rodent nests.
7. Aisles and pathways will be free from rot and mold.	Remove molded or rotten surfacing material.
8. Wood seats will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
9. Concrete seats will be free from extensive cracking, rough surfaces, and sharp edges or corners.	Repair or replace concrete components as needed.
10. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
11. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
12. Seats will be free from chipped, peeling, or worn paint.	Repaint seats with lead free paint (0.06% maximum lead by dry weight).
13. The amphitheater will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
14. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
15. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
16. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-44: Ball Play Area - Maintenance schedule.

**44. BALL PLAY AREA**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The ball play area will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b> 1. The surface will be free of abrupt changes in level greater than 6 mm (1/4-inch). 2. The surface will be smooth and free from rough areas or cracks. 3. Pavement markings will be bright, legible, and free of chipped, peeling, or worn paint.	Repair changes in level greater than 6 mm (1/4-inch). Replace areas that have extensive cracks or rough surface. Repaint paving surface, striping, or coating. Use paint free from lead (0.06% maximum lead by dry weight), cadmium, or other toxic material.
<b>ANNUAL:</b> 1. The surface will be free of toys and other foreign objects. 2. The surface will be free of debris and slippery materials, such as sand, wood products, ice, algae, moss, etc., when children are brought outdoors to play 3. The surface will be free of abrupt changes in level greater than 6 mm (1/4-inch). 4. The surface will be smooth and free from rough areas or cracks. 5. Pavement markings will be bright, legible, and free of chipped, peeling, or worn paint. 6. All paints will be free from lead (0.06% maximum lead by dry weight), cadmium, or other toxic material.	Remove toys and other objects. Sweep loose debris, such as sand, wood products, and gravel from surface; remove snow, ice and other slippery material. Repair changes in level greater than 6 mm (1/4-inch). Replace areas that have extensive cracks or rough surface. Repaint paving surface, striping, or coating. Use paint free from lead (0.06% maximum lead by dry weight), cadmium, or other toxic material. Refinish and repaint with paint free from lead (0.06% maximum lead by dry weight), cadmium, or other toxic material.

Table E-45: Ball Wall - Maintenance schedule.

**45. BALL WALL**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b>	
The ball wall will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The ball wall will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The ball wall will be free from vandalism.	Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
4. Concrete will be free from extensive cracking, rough surfaces, and sharp edges or comers.	Repair or replace concrete components as needed.
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or comers.	Refinish or replace parts. Eliminate sharp edges or corners.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
7. The ball wall will be free from chipped, peeling, or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-47: Digging Area - Maintenance schedule.

**47. DIGGING AREA**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The digging area will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection.
<b>PERIODIC:</b>	
1. The digging area will be free from debris, glass, nails, or other sharp or foreign material.	Remove debris and sharp and foreign objects.
2. The clay or soil will be free from debris, glass, nails, or other sharp or foreign material.	Remove debris and sharp and foreign objects.
3. Adjacent surfaces or structures will be free from undercutting (digging beneath the adjacent element).	Fill undercut areas with specified material.
<b>ANNUAL:</b>	
1. The digging area will be free from debris, glass, nails, or other sharp or foreign material.	Remove debris and sharp and foreign objects.
2. The clay or soil will be free from debris, glass, nails, or other sharp or foreign material.	Remove debris and sharp and foreign objects.
3. Adjacent surfaces or structures will be free from undercutting (digging beneath the adjacent element).	Fill undercut areas with specified material.
4. Tools and toys will be removed daily for cleaning and storage.	Remove toys and digging equipment from the area for storage or cleaning.
5. Specified clay or soil will be replenished as needed to avoid settling.	Add additional specified clay or soil as needed.

Table E-46: Crawl Area - Maintenance schedule.

## 46. CRAWL AREA

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASILINE:</b> The crawl area will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The synthetic safety surface will be firmly attached to the underlying surface.	Repair surfacing with materials and techniques recommended by the product manufacturer.
2. The synthetic safety surface will be free of abrupt changes in level greater than 6 mm (1/4-inch).	Repair surfacing with materials and techniques recommended by the product manufacturer.
3. The synthetic safety surface will be free of cuts, nicks, or damaged areas.	Repair surfacing with materials and techniques recommended by the product manufacturer.
4. Synthetic safety surface will be free of exposed hardware and sharp edges.	Repair surfacing with materials and techniques recommended by the product manufacturer.
<b>ANNUAL:</b>	
1. The crawl area surface will be free of loose material and foreign objects, such as debris, sand, wood products, gravel, leaves, soil, and toys.	Pick up debris, toys, and wheeled toys; sweep surfacing to remove loose materials, such as sand, wood products, gravel, leaves, and soil.
2. The surface will be free from puddles, ice, and snow when children are brought outside to play.	Remove puddles, ice, and snow.
3. The surface will be disinfected as per <i>AR 608-70</i> .	Disinfect the surface as required by <i>AR 608-10</i> .
4. The synthetic safety surface will be firmly attached to the underlying surface.	Repair surfacing with materials and techniques recommended by the product manufacturer.
5. The synthetic safety surface will be free of abrupt changes in level greater than 6 mm (1/4-inch).	Repair surfacing with materials and techniques recommended by the product manufacturer.
6. The synthetic safety surface will be free of cuts, nicks, or damaged areas.	Repair surfacing with materials and techniques recommended by the product manufacturer.
7. The synthetic safety surface will be free of exposed hardware and sharp edges.	Repair surfacing with materials and techniques recommended by the product manufacturer.



Table E-48: Platform - Maintenance schedule (cont.).

**48. PLATFORM - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The platform will be free from loose, missing or broken parts. 2. The platform will be free from vandalism. 3. A clear area for circulation will be provided free from any obstruction, such as portable climbing equipment, trikes, and wheeled toys. (The circulation area extends 900 mm (36 inches) in all directions from the platform.)	Repair or replace loose, missing or broken components. Repair or replace vandalized components. Remove obstructions or close the structure.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width). 5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Repair or replace damaged materials. Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
7. The platform will be free from chipped, peeling or worn paint. 8. The platform will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repaint with lead free paint (0.06% maximum lead by dry weight). Repair areas of entrapment by tightening components or with replacement parts as required.
9. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
10. Equipment footings will be securely anchored.	Repair footings.
11. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
12. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-48: Platform - Maintenance schedule.

**48. PLATFORM**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b>	
The platform will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The platform will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The platform will be free from vandalism.	Repair or replace vandalized components.
3. A clear area for circulation will be provided free from any obstruction, such as portable climbing equipment, trikes, and wheeled toys. (The circulation area extends 900 mm (36 inches) in all directions from the platform.)	Remove obstructions or close the structure.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
7. The platform will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-49: Playhouse - Maintenance schedule (cont.).

**49. PLAYHOUSE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The playhouse will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components.
2. The playhouse will be free from vandalism.	Repair or replace vandalized components.
3. The playhouse will be free of wet or icy surfaces when children are brought outside to play.	Remove ice and snow. Dry the structure if necessary.
4. The playhouse walking surface will be free from loose and slippery materials, e.g., sand, leaves, etc.	Sweep loose and slippery material, such as sand and leaves, from the playhouse walking surface.
5. The playhouse use zone will be free from any obstruction, including portable climbing equipment, trikes, and wheeled toys. (The use zone extends 1800 mm (72 inches) in all directions from the playhouse.)	Remove obstructions or close the structure.
6. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials with manufacturer's recommended parts.
7. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials with manufacturer's recommended parts.
B. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.	Repair or replace damaged materials with manufacturer's recommended parts.
9. Wood materials will be free from splinters; loose or missing knots; and sharp edges or comers.	Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
10. Metal materials will be free from rough metal and sharp edges or comers.	Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
11. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with manufacturer's recommended parts.
12. The playhouse will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
13. The playhouse will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
14. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
15. Equipment footings or surface mount devices will be securely anchored.	Repair footings or mounting devices.
16. The roof will be strong enough to be climbed upon.	Repair or replace damaged materials with manufacturer's recommended parts.
17. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
18. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-49: Playhouse - Maintenance schedule.

**49. PLAYHOUSE**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The playhouse will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The playhouse will be free from loose, missing, or broken parts.	Repair or replace loose, missing or broken components.
2. The playhouse will be free from vandalism.	Repair or replace vandalized components.
3. The playhouse use zone will be free from any obstruction, including portable climbing equipment, trikes, and wheeled toys. (The use zone extends 1800 mm (72 inches) in all directions from the playhouse.)	Remove obstructions or close the structure.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials with manufacturer's recommended parts.
5. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials with manufacturer's recommended parts.
6. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.	Repair or replace damaged materials with manufacturer's recommended parts.
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
8. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts as recommended by manufacturer. Eliminate sharp edges or corners.
9. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with manufacturer's recommended parts.
10. The playhouse will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-50: Play Station - Maintenance schedule (cont.).

**50. PLAY STATION - continued**

<b>MAINTENANCE STANDARDS</b>	<b>MAINTENANCE TASKS</b>
<b>ANNUAL:</b>	
1. The play station will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The play station will be free from vandalism.	Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
4. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
5. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.	Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
9. The play station will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
10. The play station will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
11. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
12. Equipment footings or surface mount devices will be securely anchored.	Repair footings or surface mount devices.
13. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
14. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-50: Play Station - Maintenance schedule.

## 50. PLAY STATION

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b>	
The play station will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The play station will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The play station will be free vandalism.	Repair or replace vandalized components.
3. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
4. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
5. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.	Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or comers.	Refinish or replace parts. Eliminate sharp edges or corners.
7. Metal materials will be free from rough metal and sharp edges or comers.	Refinish or replace parts. Eliminate sharp edges or corners.
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
9. The play station will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-51: Program Pole - Maintenance schedule (cont.).

**51. PROGRAM POLE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The program pole will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The program pole will be free from vandalism.	Repair or replace vandalized components.
3. The program pole will be free of nails, staples, and other connecting devices.	Remove nails, staples, and other connecting devices.
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
7. The program pole will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
8. The program pole will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
9. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
10. Equipment footings will be securely anchored.	Repair footings.
11. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
12. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-51: Program Pole - Maintenance schedule.

**51. PROGRAM POLE**

MAINTENANCE STANDARDS		MAINTENANCE TASKS	
BASELINE:			
The program pole will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
PERIODIC:			
1. The program pole will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components.	
2. The program pole will be free from vandalism.		Repair or replace vandalized components.	
3. The program pole will be free of nails, staples, and other connecting devices.		Remove nails, staples, and other connecting devices.	
4. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.	
5. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.	
6. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.	
7. The program pole will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).	



Table E-52: Sand Play Area (Not Within Use Zones) - Maintenance schedule (cont.).

**52. SAND PLAY AREA (NOT WITHIN USE ZONES) - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The sand play containment barrier will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The sand play containment barrier will be free from vandalism.	Repair or replace vandalized components.
3. Sand will be free of debris, such as stones, leaves, twigs or branches. toys, and wheeled toys.	Remove toys, wheeled toys, foreign objects, and debris; rake to remove hidden debris.
4. Sand will be free of animal feces.	Rake to expose buried feces; remove animal feces.
5. Sand will be removed from adjacent areas and pathways.	Sweep/shovel sand from pathways and adjacent areas back into sand area.
6. Sand will be free from holes or low areas caused by digging or play activities.	Shovel or rake sand to fill low areas or holes caused by digging or play activities, even out surface, and redistribute depth.
7. Sand will be free of insect infestation.	Sieve sand to thoroughly clean and remove insect infestation.
B. Sand will be free from puddles and areas of poor drainage.	Redesign subbase to improve drainage if necessary.
9. Sand will be maintained at a minimum depth of 450 mm (18 inches).	Replace sand with specified material to maintain the minimum material depth of 450 mm (18 inches).
10. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
11. Concrete will be free from extensive cracking, rough surfaces, and sharp edges or corners.	Repair or replace concrete components as needed. Eliminate sharp edges or corners.
12. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
13. The sand play area will be free from chipped, peeling, or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
14. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
15. The sand play area will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components; repair or replacement as required.
16. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
17. Sand will be thoroughly cleaned and aerated annually.	Sieve sand annually to thoroughly clean and aerate.
18. Sand will be removed and replaced when necessary for cleanliness.	Completely remove and replace sand when necessary for cleanliness.
19. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
20. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-52: Sand Play Area (Not Within Use Zones) - Maintenance schedule.

**52. SAND PLAY AREA (NOT WITHIN USE ZONES)**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The sand play area will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection .
<b>PERIODIC:</b>	
1. The sand play containment barrier will be free from loose, missing or broken parts.	<b>Repair or replace loose, missing or broken components.</b>
2. The sand play containment barrier will be free from vandalism.	Repair or replace vandalized components,
3. Sand will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.	Remove toys, wheeled toys, foreign objects, and debris; rake to remove hidden debris.
4. Sand will be free of animal feces.	Rake to expose buried feces; remove animal feces.
5. Sand will be free of insect infestation.	Sieve sand to thoroughly clean and remove insect Infestation.
6. Sand will be free from puddles and areas of poor drainage.	Redesign subbase to improve drainage if necessary.
7. Sand will be maintained at a minimum depth of 450 mm (18 inches).	Replace sand with specified material to maintain the minimum material depth of 450 mm (18 inches).
8. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
9. Concrete will be free from extensive cracking, rough surfaces, and sharp edges or corners.	Repair or replace concrete components as needed. Eliminate sharp edges or corners.
10. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
11. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
12. The sand play area will be free from chipped, peeling, or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-52: Sand Play Area (Not Within Use Zones) - Maintenance schedule (cont.).

**52. SAND PLAY AREA (NOT WITHIN USE ZONES) - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The sand play containment barrier will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The sand play containment barrier will be free from vandalism.	Repair or replace vandalized components.
3. Sand will be free of debris, such as stones, leaves, twigs or branches, toys, and wheeled toys.	Remove toys, wheeled toys, foreign objects, and debris; rake to remove hidden debris.
4. Sand will be free of animal feces.	Rake to expose buried feces; remove animal feces.
5. Sand will be removed from adjacent areas and pathways.	Sweep/shovel sand from pathways and adjacent areas back into sand area.
6. Sand will be free from holes or low areas caused by digging or play activities.	Shovel or rake sand to fill low areas or holes caused by digging or play activities, even out surface, and redistribute depth.
7. Sand will be free of insect infestation.	Sieve sand to thoroughly clean and remove insect infestation,
8. Sand will be free from puddles and areas of poor drainage.	Redesign subbase to improve drainage if necessary.
9. Sand will be maintained at a minimum depth of 450 mm (18 inches).	Replace sand with specified material to maintain the minimum material depth of 450 mm (18 inches).
10. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
11. Concrete will be free from extensive cracking, rough surfaces, and sharp edges or corners.	Repair or replace concrete components as needed. Eliminate sharp edges or corners.
12. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
13. The sand play area will be free from chipped, peeling, or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
14. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
15. The sand play area will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components; repair or replacement as required.
16. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
17. Sand will be thoroughly cleaned and aerated annually.	Sieve sand annually to thoroughly clean and aerate.
18. Sand will be removed and replaced when necessary for cleanliness.	Completely remove and replace sand when necessary for cleanliness.
19. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
20. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-53: Sand and Water Table - Maintenance schedule.

**53. SAND AND WATER TABLE**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>
<b>BASELINE:</b>		
The sand and water table will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>		
1. The sand and water table will be free from loose, missing or broken parts.		Repair or replace loose, missing or broken components.
2. The sand and water table will be free from vandalism.		Repair or replace vandalized components.
3. Water and sand will be cleaned and replaced to maintain sanitary conditions.		Empty water from the table; remove debris from sand; replace sand with specified material as needed for cleanliness; disinfect the table when emptied.
4. Sand and water tables will be covered when not in use.		Cover the table when not in use.
5. Drainage under sand and water tables will not permit pooling of water or the creation of mud.		Improve drainage.
6. The table's use zone will be free from obstructions, including portable climbing equipment, trikes, and wheeled toys. (The use zone extends 1800 mm (72 inches) in all directions from the table.)		Remove obstructions or close the structure.
7. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).		Repair or replace damaged materials.
8. Metal materials will be free from rust, corrosion and bending of members.		Repair or replace damaged materials.
9. Concrete components will be free from extensive cracking, rough surfaces and sharp edges or corners.		Repair or replace concrete components; eliminate sharp edges or corners.
10. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.		Repair or replace damaged materials.
11. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.
12. Metal materials will be free from rough metal and sharp edges or corners.		Refinish or replace parts. Eliminate sharp edges or corners.
13. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)		Tighten hardware or replace.
14. The table will be free from chipped, peeling or worn paint.		Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-53: Sand and Water Table - Maintenance schedule (cont.).

**53. SAND AND WATER TABLE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The sand and water table will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The sand and water table will be free from vandalism.	Repair or replace vandalized components.
3. Water and sand will be cleaned and replaced to maintain sanitary conditions.	Empty water from the table; remove debris from sand; replace sand with specified material as needed for cleanliness; disinfect the table when emptied.
4. Sand and water tables will be covered when not in use.	Cover the table when not in use.
5. Drainage under sand and water tables will not permit pooling of water or the creation of mud.	Improve drainage.
6. The table's use zone will be free from obstructions, including portable climbing equipment, trikes, and wheeled toys. (The use zone extends 1800 mm (72 inches) in all directions from the table.)	Remove obstructions or close the structure.
7. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
B. Metal materials will be free from rust, corrosion and bending of members.	Repair or replace damaged materials.
9. Concrete components will be free from extensive cracking, rough surfaces or sharp edges or corners.	Repair or replace concrete components; eliminate sharp edges or corners.
10. Plastic material will be unbroken and without chips or cracks, particularly at joints and connections.	Repair or replace damaged materials.
11. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
12. Metal materials will be free from rough metal and sharp edges or corners.	Refinish or replace parts. Eliminate sharp wires, edges or corners.
13. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
14. The table will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
15. The table will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
16. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
17. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years
18. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-54: Storage/Pram Storage - Maintenance schedule.

**54. STORAGE/PRAM STORAGE**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The storage unit will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The storage unit will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The storage unit will be free from vandalism.	Repair or replace vandalized components.
3. The storage unit roof will be free from leaks.	Repair or replace roof.
4. Storage units used by children will not be used to store chemicals, maintenance equipment, or other hazardous material.	Remove chemicals, maintenance equipment, or other hazardous material.
5. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
7. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace.
8. The storage unit will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-54: Storage/Pram Storage - Maintenance schedule (cont.).

**54. STORAGE/PRAM STORAGE - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The storage unit will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components.
2. The storage unit will be free from vandalism.	Repair or replace vandalized components.
3. The storage unit roof will be free from leaks.	Repair or replace roof.
4. The storage unit walking surface will be free from loose and slippery materials, e.g., sand, wood products, leaves, etc.	Sweep loose and slippery material, such as sand, wood products, and leaves from the walking surface.
5. Storage units used by children will not be used to store chemicals, maintenance equipment, or other hazardous material.	Remove chemicals, maintenance equipment, or other hazardous material.
6. Wood materials will be free from warping, wood rot, insect damage, and checking (cracks more than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair or replace damaged materials.
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish or replace parts. Eliminate sharp edges or corners.
8. All hardware will be present, securely attached, and without significant wear. (Wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace parts.
9. The storage unit will be free from chipped, peeling or worn paint.	Repaint with lead free paint (0.06% maximum lead by dry weight).
10. The storage unit will be free of head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Repair areas of entrapment by tightening components or with replacement parts as required.
11. All protrusions will meet inspection criteria (chap 4).	Eliminate protrusions.
12. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
13. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-55: Swing - Maintenance schedule.

**55. SWING**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> The swing will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b>	
1. The swing will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with manufacturer's recommended parts.
2. The swing will be free from vandalism.	Repair or replace vandalized components with manufacturer's recommended parts.
3. The swing use zone will be free from any obstruction, including portable climbing equipment, trikes, and wheeled toys. (The use zone is equal to two times the height of the swing crossbeam measured to both the front and back of the equipment from the swing seat and 1800 mm (72 inches) to both sides of the swing support (chap 3).)	Remove use zone obstructions.
4. Wood materials will be free from warping, wood rot, insect damage and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair the swing with parts recommended by the manufacturer or remove and replace swings.
5. Metal materials will be free from rust, corrosion, or bending of members.	Repair the swing with parts recommended by the manufacturer or remove and replace swings.
6. Wood materials will be free from splinters; loose or missing knots; and sharp edges or corners.	Refinish the swing or replace parts as recommended by manufacturer.
7. Metal materials will be free from rough metal and sharp edges or corners.	Refinish the swing or replace parts as recommended by manufacturer.
8. Swing hardware will be present, securely attached, and without significant wear (wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping.)	Tighten hardware or replace with parts recommended by manufacturer.
9. The swing will be free from chipped, peeling, or worn paint.	Repaint the swing with lead free paint (0.06% maximum lead by dry weight).
10. The swing will be free from worn chains, S-hooks, and swing seats (wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch). rust or corrosion).	Replace chains, S-hooks, and swing seats with parts recommended by manufacturer.
11. Swing S-hooks will be closed. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close all S-hooks.
12. Swing bearings will be well lubricated.	Lubricate swing bearings.



Table E-55: Swing - Maintenance schedule (cont.).

**55. SWING - continued**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
1. The swing will be free from loose, missing or broken parts.	Repair or replace loose, missing or broken components with manufacturer's recommended parts.
2. The swing will be free from loose, missing or broken parts and vandalism.	Repair or replace vandalized components with manufacturer's recommended parts.
3. The swing use zone will be free from any obstruction, including portable climbing equipment, trikes, and wheeled toys (The use zone is equal to two times the height of the swing crossbeam measured to both the front and back of the equipment from the swing seat and 1800 mm (72 inches) to both sides of the swing support (chap 3).)	Remove use zone obstructions.
4. The swing will be closed when temperatures are freezing or below when children go outdoors to play.	Close the swing when temperatures are freezing or below.
5. Wood materials will be free from warping, wood rot, insect damage and checking (cracks greater than 600 mm (24 inches) in length and/or 6 mm (1/4-inch) in width).	Repair the swing with parts recommended by the manufacturer or remove and replace swings.
& Metal materials will be free from rust, corrosion, or bending of members.	Repair the swing with parts recommended by the manufacturer or remove and replace swings.
7. Wood materials will be free from splinters; loose or missing knots; and sharp edges or comers.	Refinish the swing or replace parts as recommended by manufacturer.
8. Metal materials will be free from rough metal and sharp edges or comers,	Refinish the swing or replace parts as recommended by manufacturer.
9. Swing hardware will be present, securely attached, and without significant wear (wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust, corrosion, or stripping)	Tighten hardware or replace with parts recommended by manufacturer.
10. The swing will be free from chipped, peeling, or worn paint.	Repaint the swing with lead free paint (0.06% maximum lead by dry weight).
11. The swing will be free from worn chains, S-hooks, and swing seats (wear is indicated by visible elongation, deformation, indentation greater than 2 mm (1/16-inch), rust or corrosion).	Replace chains, S-hooks, and swing seats with parts recommended by manufacturer.
12. Swing S-hooks will be closed. The S-hook will be considered properly closed if hook openings are less than 1 mm (.04 inches) when tested with a feeler gauge. The lower loop will not cross over the upper loop.	Close all S-hooks.
13. Swing bearings will be well lubricated.	Lubricate swing bearings.
14. Swings will be free from head entrapments. Openings must meet all entrapment inspection criteria (chap 4).	Eliminate entrapments by tightening hardware or replacing parts as specified by the manufacturer.
15. Swing seats and hardware will be free from protrusions, Protrusions must meet all test criteria (chap 4).	Eliminate protrusions or replace swing seat.
16. Equipment footings will be securely anchored.	Repair footings.
17. Swing seats and tot seats will be "slash proof" rubber belt type,	Replace swing seat.

Table 55: Swing - Maintenance schedule (cont.).

55. SWING - continued

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>ANNUAL:</b>	
18. Pressure treated wood materials will be coated with a non-toxic sealant every two years.	Coat pressure treated wood materials with a non-toxic sealant every two years.
19. All paints will be free from lead (0.06% maximum lead by dry weight).	Refinish and repaint with lead free paint (0.06% maximum lead by dry weight).

Table E-56: Toys and Scrap Material - Maintenance schedule.

**56. TOYS AND SCRAP MATERIAL**

MAINTENANCE STANDARDS	MAINTENANCE TASKS
<b>BASELINE:</b> Toys and scrap material will comply with baseline inspection criteria.	Repair deficiencies noted upon inspection or replace as needed.
<b>PERIODIC:</b> 1. Toys and scrap material will be removed from pathways or play areas daily for cleaning or storage as required. 2. Toys used by children age 3 and younger will not present a choke hazard. 3. Toys and scrap material will be free from broken, loose or sharp components. 4. Toys and scrap material will be cleaned and disinfected as per AR 608-70.	Remove toys and scrap material from pathways and play areas for cleaning or storage as required. Discard toys which present a choke hazard or reserve for age appropriate groups. Replace worn or damaged parts when appropriate; remove from service until repairs can be made; or discard. Clean and disinfect toys as prescribed by AR 608-10. Items used by children ages 3 and younger must be cleaned and disinfected daily. Items used by children ages 3 and older must be cleaned and disinfected weekly. Items which cannot be cleaned must be discarded.
<b>ANNUAL:</b> 1. Toys and scrap material will be removed from pathways or play areas daily for cleaning or storage as required. 2. Toys used by children age 3 and younger will not present a choke hazard. 3. Toys and scrap material will be free from broken, loose or sharp components. 4. Toys and scrap material will be cleaned and disinfected as per AR 608-10.	Remove toys and scrap material from pathways and play areas for cleaning or storage as required. Discard toys which present a choke hazard or reserve for age appropriate groups. Replace worn or damaged parts when appropriate; remove from service until repairs can be made; or discard. Clean and disinfect toys as prescribed by AR 608-10. Items used by children ages 3 and younger must be cleaned and disinfected daily. Items used by children ages 3 and older must be cleaned and disinfected weekly. Items which cannot be cleaned must be discarded.

Table E-57: Tricycle and Wheeled Toy- Maintenance schedule.


**57. TRICYCLE AND WHEELED TOY**

<b>MAINTENANCE STANDARDS</b>		<b>MAINTENANCE TASKS</b>	
<b>BASELINE:</b>			
The tricycle or wheeled toy will comply with baseline inspection criteria.		Repair deficiencies noted upon inspection or replace as needed.	
<b>PERIODIC:</b>			
1. The tricycle or wheeled toy will be in operational condition with all hardware tight and secure.		Repair with parts recommended by manufacturer or remove damaged unit from service.	
2. The tricycles or wheeled toy will be free from sharp edges, rust, and cracked or broken components.		Repair with parts recommended by manufacturer or remove damaged unit from service.	
3. Wheels, forks, and cranks will be free of wobble.		Tighten all hardware and components; repair with parts recommended by manufacturer or remove damaged units from service.	
4. The tricycles or wheeled toy will be free from excessively cracked tires.		Replace tires.	
5. Seats will be firmly attached.		Tighten all hardware and components; repair with parts recommended by manufacturer or remove damaged unit from service.	
6. The tricycle or wheeled toy will be removed from pathways and play areas and placed in designated storage areas when not in use.		Remove the unit from paths and play areas and place in designated storage area.	
7. Bearings will be well lubricated.		Lubricate bearings, sleeves, cranks, forks, or other components as recommended by the manufacturer.	
<b>ANNUAL:</b>			
1. The tricycle or wheeled toy will be in operational condition with all hardware tight and secure.		Repair with parts recommended by manufacturer or remove damaged unit from service.	
2. The tricycles or wheeled toy will be free from sharp edges, rust, and cracked or broken components.		Repair with parts recommended by manufacturer or remove damaged unit from service.	
3. Wheels, forks, and cranks will be free of wobble.		Tighten all hardware and components; repair with parts recommended by manufacturer or remove damaged units from service.	
4. The tricycles or wheeled toy will be free from excessively cracked tires.		Replace tires.	
5. Seats will be firmly attached.		Tighten all hardware and components; repair with parts recommended by manufacturer or remove damaged unit from service.	
6. The tricycle or wheeled toy will be removed from pathways and play areas and placed in designated storage areas when not in use.		Remove the unit from paths and play areas and place in designated storage area.	
7. Bearings will be well lubricated.		Lubricate bearings, sleeves, cranks, forks, or other components as recommended by the manufacturer.	

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# CHILD DEVELOPMENT CENTER (CDC) PLAY AREA INVENTORY

For use of this form, see TM-5-663; the proponent agency is USACE

1. CDC NAME		2. DATE OF INVENTORY	
3. PLAY AREA <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span><input type="checkbox"/> Infant</span> <span><input type="checkbox"/> Toddler</span> <span><input type="checkbox"/> Preschool</span> <span><input type="checkbox"/> School Age</span> </div>			
4. SITE ELEMENTS AND MAINTENANCE	NUMBER INCLUDED	5. PLAY ELEMENTS	NUMBER INCLUDED
<b>a. GENERAL SITE</b>		<b>a. COMPOSITE STRUCTURE PLAY EQUIPMENT</b>	
1. Boulder		26. Composite structure	
2. Fencing and gates		27. Arch climber	
3. Pathways: hard surfaced		28. Bubble panel	
4. Pathways: wood chip		29. Clatter bridge	
5. Planter		30. Cleated ramp	
6. Shade structure		31. Game panel	
7. Sign		32. Horizontal ladder	
8. Trellis		33. Ladders and stairs	
		34. Net climber	
		35. Nonclimable enclosure	
		36. Ring trek	
		37. Roof	
		38. Slide	
<b>b. GROUND COVER AND PLANT MATERIAL</b>		39. Stationary bridge	
9. Ground cover		40. Track ride	
10. Mulch		41. Tunnel/Tunnel slide	
11. Shrubs		42. Wheel	
12. Tree			
13. Turf			
<b>c. UTILITIES AND DRAINAGE</b>		<b>b. PLAY ACTIVITY AREAS</b>	
14. Drinking fountain		43. Amphitheater	
15. Irrigation		44. Ball play area	
16. Slnk		45. Ball wall	
17. Storm drain		46. Crawl area	
		47. Digging area	
		48. Platform	
<b>d. SAFETY SURFACING (within use zones)</b>		49. Play house	
18. Sand safety surfacing		50. Play station	
19. Synthetic safety surfacing		51. Program pole	
20. Wood product safety surfacing		52. Sand play area	
		53. Sand and water table	
<b>e. SITE FURNISHINGS</b>		54. Storage/pram storage	
21. Bench		55. Swing	
22. Removable shade			
23. Table			
24. Trash receptacle			
<b>f. MAINTENANCE PRACTICES</b>		<b>c. TOYS AND LOOSE PARTS</b>	
25. Weed and Pest Management		56. Toys and scrap material	
		57. Tricycle and wheeled toy	
6. INVENTORY CONDUCTED BY			
a.		b.	

[illegible]

Page \_\_\_\_ of \_\_\_\_

1. CDC NAME \_\_\_\_\_ 2. PLAY AREA ☐ In fan ☐ Toddler ☐ Preschool ☐ School Age

[illegible]

6. INSPECTORS' SIGNATURES	



1. CDC NAME			2. PLAY AREA <input type="checkbox"/> Infant <input type="checkbox"/> Toddler <input type="checkbox"/> Preschool <input type="checkbox"/> School Age				Page ____ of ____	
3. TYPE OF INSPECTION <input type="checkbox"/> Baseline <input type="checkbox"/> Annual  Periodic (Check one) <input type="checkbox"/> Monthly <input type="checkbox"/> Bimonthly <input type="checkbox"/> Quarterly			4. DATE OF INSPECTION					
YES	NO	NA	10. INSPECTION ITEMS/QUESTIONS					